

ceph-volume - Bug #36098

lsblk can fail to find PARTLABEL, must fallback to blkid

09/20/2018 01:09 PM - Alfredo Deza

Status: Resolved	% Done: 0%
Priority: Normal	
Assignee:	
Category:	
Target version:	
Source:	Affected Versions:
Tags:	ceph-qa-suite:
Backport:	Pull request ID:
Regression: No	Crash signature (v1):
Severity: 3 - minor	Crash signature (v2):
Reviewed:	

Description

Specifically, in containers, lsblk can miss the fact that a valid PARTLABEL exists:

```
[root@osd0 /]# lsblk -P -p -o NAME,PARTLABEL,TYPE /dev/sda1
NAME="/dev/sda1" PARTLABEL="" TYPE="part"
```

```
[root@osd0 /]# blkid -t PARTLABEL="ceph data"
/dev/sdb1: UUID="4a58f041-e07f-4a41-8da5-ef324857f74d" TYPE="xfs" PARTLABEL="ceph data" PARTUUID="edd042e3-4557-40f1-8f97-4a66f47a3994"
/dev/sda1: UUID="94f52534-5dd2-465a-aff9-1007d2142b39" TYPE="xfs" PARTLABEL="ceph data" PARTUUID="a472b208-16f8-4732-8ad3-18f9ce4e5a3b"
/dev/sdc1: UUID="e332edfe-5cf4-44e7-b0b5-90d469d96aae" TYPE="xfs" PARTLABEL="ceph data" PARTUUID="97a01173-33e4-4ac6-8862-dbc388948b53"
```

The problem with this is that

```
simple scan
```

has this check:

```
if disk.is_partition(args.osd_path):
    label = disk.lsblk(args.osd_path) ['PARTLABEL']
    if 'data' not in label:
        raise RuntimeError('Device must be the data partition, but got: %s' % label)
```

Specifically this line:

```
label = disk.lsblk(args.osd_path) ['PARTLABEL']
```

Should be changed, probably using a helper, that may allow things like:

```
>>> Device.is_ceph_disk
True
>>> Device.ceph_disk.journal
```

```
False  
>>> Device.ceph_disk.data  
True
```

History

#1 - 09/25/2018 12:50 PM - Alfredo Deza

- Description updated
- Start date deleted (09/20/2018)

#2 - 10/03/2018 03:09 PM - Alfredo Deza

- Status changed from New to Resolved

master PR: <https://github.com/ceph/ceph/pull/24330>
mimic PR: <https://github.com/ceph/ceph/pull/24334>
luminous PR: <https://github.com/ceph/ceph/pull/24335>